

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4862887

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ADAM SETH NUNES	10/14/2008
RECEIVING PARTY DATA	
Name:	THE NASDAQ OMX GROUP, INC.
Street Address:	9600 BLACKWELL ROAD
Internal Address:	OFFICE OF GENERAL COUNSEL
City:	ROCKVILLE
State/Country:	MARYLAND
Postal Code:	20850
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15882243
CORRESPONDENCE DATA	
Fax Number:	(703)816-4100
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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ATTORNEY DOCKET NUMBER:	JRL-4010-423
NAME OF SUBMITTER:	JOHN R. LASTOVA
SIGNATURE:	/John R. Lastova/
DATE SIGNED:	03/13/2018
Total Attachments: 1	
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ASSIGNMENT

For valuable consideration, I, Adam Seth Nunes, of New York, New York 10013; hereby assign to THE NASDAQ OMX GROUP, INC., a corporation of Maryland, having a place of business at Office of the General Counsel, 9600 Blackwell Road, Rockville, MD 20850, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled VOLATILITY DETECTION IN A NON-TRADING SECURITY'S PRICE QUOTATION, filed February 22, 2008, and assigned U.S. Serial Number 12/035,748, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 10/14/05 _____

ADAM SETH NUNES

STATE OF _____)
) SS.
COUNTY OF _____)

On _____, before me, the undersigned, a notary public for the State of _____, there personally appeared ADAM SETH NUNES personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Notary Public